

20000718.ba v02_n950.bam.20000718

>From ???@??? Tue Jul 18 10:47:56 2000 -0500
Message-Id: <200007181544.e6IFi9f20935@sco.theporch.com>
Date: Tue, 18 Jul 2000 10:43:48 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2950

BOATANCHORS Digest 2950

Topics covered in this issue include:

- 1) WTB: HA-410 10 meter AM rig
by Daniel Wright <dw73454@navix.net>
- 2) Re: Looking for NOS paper caps. A caution.
by "John Gibson" <gibsonj@mindspring.com>
- 3) Hallicrafters coils, here I go again...
by "Robert P. Okas" <vintage@best.com>
- 4) Re: Looking for NOS paper caps
by Arden Allen <gumbear@pacbell.net>
- 5) Re: Hallicrafters coils, here I go again...
by Arden Allen <gumbear@pacbell.net>
- 6) 100V saga part 2
by Bob Roehrig <broehrig@admin.aurora.edu>
- 7) Re: Looking for NOS paper caps
by Paul Nelson <drhydro@uswest.net>
- 8) Usefulness of HP 606B with synchronizer
by "Bill Hawkins" <bill@iaxs.net>
- 9) Re: Usefulness of HP 606B with synchronizer
by Arden Allen <gumbear@pacbell.net>
- 10) where'd the modulators go? (ARC5)
by john <johnmb@mindspring.com>
- 11) Tube Update
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 12) WTB Cannon audio connecter, mesazoic era
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 13) RE: WTB Cannon audio connecter, mesazoic era
by "Ed Sieb" <sieb@sympatico.ca>
- 14) Re: where'd the modulators go? (ARC5)
by W7QH0@aol.com
- 15) Re: where'd the modulators go? (ARC5)
by David Ross <ross@hypertools.com>
- 16) RE: where'd the modulators go? (ARC5)
by "Ed Sieb" <sieb@sympatico.ca>
- 17) BA Oddities FS
by Merz Donald S <merz.ds@mellon.com>

Message-Id: <3.0.6.16.20000717185721.0dbf463a@mail.navix.net>
Date: Mon, 17 Jul 2000 18:57:21 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Daniel Wright <dw73454@navix.net>
Subject: WTB: HA-410 10 meter AM rig
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings!

I have recently aquired an HA-460 for six meters and it's a blast to operate...I get some good audio reports, too!

Anyhoo....I'm looking for the 10 meter version of the radio. If you have one for sale, please e-mail me at:

dw73454@navix.net

Thanks a bunch es

73 de Dan -- WA0JRD ..
Lincoln, Nebraska

Message-Id: <200007180117.VAA32018@granger.mail.mindspring.net>
Date: Mon, 17 Jul 2000 18:17:35 +0100
Subject: Re: Looking for NOS paper caps. A caution.
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

A while back, I recapped an AA5 radio. It had a semi-isolated chassis, that is a common ground wire connected to one side of the line was run through but not connected to the chassis. The tuning cap frame and the IF cans were bolted to the chassis. To keep them at RF ground, there was a 0.25uF cap with ungainly 3 inch leads from the common line to the chassis.

I replaced all the paper caps with small modern polyester ones, the 0.25uF cap with a 0.22uF using only 1 inch leads.

When powered up, the radio worked fine except that at the very low frequency end of the AM dial it would burst into oscillation. Bridging each decoupling cap in turn with a 0.1 uF had no effect until it was placed across the above 0.22uF cap when there was a large change in the parasitic oscillation. On a whim the old 0.25uF cap was fished out of the trash and

its series resonant freq measured - it was about 455kcs!

I added a small inductance in series with the replacement cap, the oscillation stopped and the radio worked as it should.

Date: Mon, 17 Jul 2000 19:05:13 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Hallicrafters coils, here I go again...
Message-ID: <Pine.BSF.4.21.0007171831310.21196-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings Gang,

It was about 5 years ago when I observed a tracking problem on the SX-25 I was restoring. A subsequent long distance move put that project on indefinite hold. Recently, I got around to recapping an S-40 that was in the project queue before the '25. After aligning the IF, I was amazed at the radio's new-found sensitivity. I then went on to aligning the RF and L0 coils. I'm using the Sams Photofact procedure, BTW.

On Band 4, the L0 operates 455 Kc below the signal, but the image, at 910 Kc higher on the dial, was louder than the true signal at the correct dial position. A check of the RF stage tuned circuits spoke volumes. There is only one frequency on the dial where the RF tuning tracks the L0, and that's around 30 Mc. This is true for both the antenna and interstage tuned circuits. It appears to me that the inductance is too high to permit the thing to track properly across the band. The transformers associated with this band are slug tuned, and even with the slugs removed, tracking is way off. I can get the proper frequency spread (from 18 Mc to 36 Mc) by setting the slugs about halfway in, but then the dial calibration is about 2 MC too low for the actual resonant frequency.

Bands 1 & 2 exhibit similar problems, and their associated RF coils have no slugs. The inductance appears to be too high. Despite gross mistracking on the AM broadcast band, I'm still hearing a lot of BC DX.

The only accurately tracking band is #3, where I can get it spot-on at the frequencies listed in the photofact and reasonably close in between. That band is hot!

So, after all that, I'm wondering if anyone else has had similar experiences. Has anyone taken the trouble to finesse the RF coils so that the receiver tracks reasonably well on all bands? Anyone got a junker for sale so I can experiment?

After the trouble and expense, I would like to get this radio

performing as well as possibly can. Thanks in advance for any help.

73,
Bob - W3CD

Date: Mon, 17 Jul 2000 19:27:18 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Looking for NOS paper caps
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXV00A7RG5956@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Marty;

>Or take a 100V screen @ 5ma. Load is 2K. Take that 1 meg leaker again.
> I used a huge public domain FORTRAN program to compute that's .5% of load.....
>
>
>Orange Dropping a radio in any areas beyond audio interstage* & AVC is
> usually just plain unnecessary.....

That's not sound advice. With temperature and applied voltage the process of insulation destruction is greatly accelerated. Hot spots tend to from thus concentrating the effect to small areas. Each hot spot does not contribute greatly to total leakage but the increase in temperature at a single point is all that is necessary for an eventual pin prick breakdown. When that occurs the capacitor is 0% good even though the insulation is 99.9999% still serviceable.

Because of the negligible applied stress of 1-2 volts across a cathode bypass capacitor there is a very low likelihood of failure, at least in my lifetime. The applied voltage of 75-150 volts across a screen bypass capacitor or 200-250 volts across a plate supply bypass in a typical boatanchor has a great multiplying effect on the failure rate of ol' leakers.

One megohm of leakage is definitely not acceptable for any useage except in a circuit of low applied voltage and very low resistance such as a cathode bypass. A capacitor that can more likely withstand operation at high voltage and typical operating temperatures should test at several thousand or more megohms at room temperature. For example, a coupling capcitor seeing 150 plate volts connected to a contact biased audio amplifier with a

15 megohm grid resistor decreases the grid bias by 0.1 volt (disregarding the contact current's equivalent resistance), an approximately 10% change. That capacitor's insulation resistance is 22,500 megohms. A vintage paper capacitor with that high of an insulation resistance is virtually nonexistent. If you are not interested in doing the required measurements and circuit analysis for determining if a capacitor is capable of carrying on then you better round up your herd of orange critters and heat up the branding iron.

>I HATE TO USE THE ELABORATE MATHEMATICS OF AN OHMS
> LAWYER, BUT THE DEVIL MADE ME DOIT.

Ignorance of Ohm's Law is not an excuse.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Mon, 17 Jul 2000 19:43:14 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Hallicrafters coils, here I go again...
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXV004KHGUWJT@mta6.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Bob;

Unless you got the IF frequency wrong it no doubt is another problem that is common to the several mistracking bands. You said you recapped it. If nothing else has changed and all the caps replaced are done correctly then I would suspect one (or more) of the new capacitors in the RF & mixer stages. I'm just guessing but you could be dealing with capacitor SRF problems. Let us know what you find out.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Mon, 17 Jul 2000 21:52:56 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 100V saga part 2
Message-ID: <Pine.OSF.3.96.1000717214405.24786B-1000000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Back to the project tonight. I was itching to see if I could find out why

there was only a few watts out on 10 meters but before I tackled that I decided to find out why there was no horizontal deflection on the scope. Well, that was a quickie fix - no plate load resistor on the Hor driver stage. Doesn't look like there ever had been one. I am not crazy about having a 600 to 700V plate supply on a 6U8 but that's what it calls for and it does work now.

Next I fiddled with the sideband suppression adjustments and got that working to my satisfaction. Now on to 10 meters.

The low output on ten was due to someone having fiddled with the mixer and driver adjustments. Now output is also over 100 watts there. Hooray!

Finally I aligned the VFO. What a unique setup with cal adjustments every 50 KC. Had to slip the dial plate first though but that was easy. Twice thru the trimmer adjustments and the dial is well within .5KC across the dial.

Checking each band shows that all freqs are within .5KC except 20 meters which is 4KC low and no way to tweak it up. So I'll live with that.

Hopefully I am done with it. All I have to do now is make room for it somewhere besides my workshop stool and hook up the Dow-Key relay.

"Nostalgia is a thing of the past"

E-mail: broehrig@admin.aurora.edu or k9eui@arrl.net 73 de Bob, K9EUI

CIS: Data / Telecom Aurora University, Aurora, IL

630-844-4898 Fax 630-844-4222

PLEASE PUT ALL REPLIES IN ASCII TEXT ONLY

Mime-Version: 1.0

Message-Id: <v04210100b59983f53d2d@[10.0.0.2]>

Date: Mon, 17 Jul 2000 21:53:26 -0600

To: Old Tube Radios <boatanchors@theporch.com>

From: Paul Nelson <drhydro@uswest.net>

Subject: Re: Looking for NOS paper caps

Cc: boatanchors@theporch.com

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hank and Bobbi- and the rest of the gang:

It can be difficult to find new grounding points... but how about incorporating ferrite beads on the leads of the new, smaller, component you're grafting inside this old shell of a cap? Even putting a full turn of a lead thru the bead? Would that possibly nullify the effect of the longer lead?

>As Roberta J. Barmore discourses

> >

> > Yayy!

> >

> > A question about Condenser Gotchas!

> >

> Yes, new modern radial

>capacitors not only *can* be used to rebuild and old radio, but you
>can get superior performance from using them (and metal resistors in
>place of drifted/noisy carbons). For .01 and .02's I use those little
>green encapsulated things from Mouser. There are some tricks to this.
>

>The old wax paper tubulars were large compared to the new styles. For
>cathode and screen bypasses, it is very desirable to find new
>grounding points so that you don't have long leads. Those are vitamin
>L and don't mix happily with vitamin C, particularly in new modern
>condensers that are not loaded with vitamin R. All passives, both
>resistors and capacitors, are little LRC circuits---the idea is to get
>lots of C with the capacitors, and lots of R with the resistors, and
>not much of the remaining two. For 455 Khz. IF's and RF circuits
>above that, .01 mike and 2.2K ohms are fine for B+ bypasses. A .01 is
>also quite adequate for a cathode bypass.

Paul Nelson W5GNF
Ames, Iowa

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@uswest.net)

"More hay, Trigger?"

Cessna 140 N77149

"No thanks, Roy, I'm stuffed."

From: "Bill Hawkins" <bill@iaxs.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Usefulness of HP 606B with synchronizer

Date: Tue, 18 Jul 2000 01:08:33 -0500

Message-ID: <000701bff07e\$9a958920\$290aa8c0@darius>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks,

I don't have a manual for an HP 606B, and I don't have the
instrument, but I am wondering about it. A picture of it
looks like some of that fine Boonton engineering that HP
acquired.

But what makes it more useful than, say, a GR 1001? What magic can you do with the synchronizer that would make the pair worth \$200? I understand phase lock loops, but what would you lock it to? Can it generate a precise 455 kHz when locked to a 1000 kHz frequency standard? Or does it just slave the generator to another source of the same frequency? I don't see anything in the pictures that looks like an adjustable divider, just that big analog dial.

Regards,
Bill Hawkins

Date: Tue, 18 Jul 2000 00:55:09 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Usefulness of HP 606B with synchronizer
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0FXV0048AV9S80@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Nice timing Bill;

> I don't have a manual for an HP 606B, and I don't have the
> instrument, but I am wondering about it. A picture of it
> looks like some of that fine Boonton engineering that HP
> acquired.

>

> But what makes it more useful than, say, a GR 1001? What
> magic can you do with the synchronizer that would make the
> pair worth \$200? I understand phase lock loops, but what
> would you lock it to? Can it generate a precise 455 kHz
> when locked to a 1000 kHz frequency standard? Or does it
> just slave the generator to another source of the same
> frequency? I don't see anything in the pictures that looks
> like an adjustable divider, just that big analog dial.

The 606A and B are HP original designs. They used the push-pull oscillator and amplifier approach that they started with audio oscillators.

I was using my HP 606B and 8078A synchronizer this afternoon to tweak up my SX-110. Using the synchronizer to hold the generator rock solid to the crystal filter frequency eliminates any touching up of the signal generator as it warms up. The 606B is very stable once it sits on a frequency for a while but if you are hopping around and want to set frequency with crystal oscillator stability you can't beat the combo. There is a fine frequency adjustment that tweaks the internal crystal reference oscillator so it's

better than a frequency synthesizer because it has infinite resolution. The synchronizer can also be used with the 608F so it covers VLF to UHF. Of course you need a counter to set frequency accurately. My crystal was 454.933 KHz. Great fun!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.3.32.20000718064420.00db2188@mindspring.com>
Date: Tue, 18 Jul 2000 06:44:20 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: where'd the modulators go? (ARC5)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While reading an article on another reflector regarding the MD7 modulator it struck me that while the ARC5's themselves are pretty common, it's not too common to see the MD7.

Where'd they all go? I'm not familiar with the operational configuration of the ARC5, but it would seem sensible that while there might be one modulator for a rack of transmitters, that would still mean that if there were "n" transmitters per modulator, there'd still be a bazillion / N modulators around...which there doesn't seem to be.

I'm sure there's a perfectly good reason for this...but what is it?

Where'd all the modulators go?

John

PS: I am using a (Central Electronics modified) ARC5 trans for a VFO for my CE-20 SSB rig. I am amazed by it's VERY stable performance in that role. Perfectly usable on 20m with no touch up required.

John Brewer - WB50AU/4

AMI #24

Clayton NC

johnmb@mindspring.com

Message-Id: <200007181123.EAA28068@scaup.prod.itd.earthlink.net>
Subject: Tube Update
Date: Tue, 18 Jul 2000 07:23:23 -0400
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>

To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

As I continue the ongoing process of unpacingk my stuff, I have added additional types that I have acquired more of over the years than I will ever need. Have also removed some that are no longer available. Most of these are available in at least 20+ quantities unless otherwise indicated. All are NOS, unless indicated.

1C5GT	2.50
1L4	2.50
1LN5	2.50
1N5GT	2.25
1S5	2.50
1T4	2.50
2E36	2.50
3A4	2.50
3B4WA	3.00
3S4	2.50
4-125A (2)	35.00
4-250A (used) (2)	25.00
5R4GY	5.00
5Y3GT	2.75
12A8	2.50
12AT7WC	4.25
12BH7	6.50
12BW4	3.50
12BY7	5.50
12SG7	3.00
12SJ7	2.50
12SK7	2.50
12SQ7	3.50
6A8MG	2.50
6AG5W/6186	1.50
6AK5W/5654	2.50
6AK6	3.25
6AL5W	1.25
6AN5W	2.05
6AU5GT	3.00
6AZ8	3.75

6BQ6GT/GTB	3.00	
6BL8 (Russian) (bulk)	3.00	
6BN8	4.50	
6CB6	2.25	
6DC6	4.00	
6DK6	2.50	
6EH7	2.50	
6EJ7	3.00	
6J4WA	2.25	
6J6W	2.25	
6SN7GTB	4.50	
6U8A	3.00	
14B6	3.00	
26D6	1.50	
28D7W	2.00	
35Z5GT	3.00	
50L6GT	3.00	
572A (1) (used)	25.00	(United Electronics)
572B (1) (used)	30.00	(Dentron)
810 (used)	25.00	
813 (2) (used)	15.00	*
829B	12.50	
832A	10.00	
841 (like 10)	20.00	
866A (2)	7.50	
5670	2.50	
5672	2.50	
5678	2.50	
5763	9.00	
5881/6L6WGB (used)	7.50	
5894	12.50	
5902	3.50	
6397	4.00	
6442	12.50	
7554	10.00	
8233 (4)	20.00	

Still have a quantity of AM-427A IF amp modules for PRC-8, 9, 10.
 These are NOS in box. \$ 5.00

Also have several NOS HS-16A headsets. Vietnam era manufacture. \$ 15.00

Have several USM-116 probes NOS. Similar to RF probe with HP-410B/C.
\$ 20.00.

I can also supply many of the S-Line tubes except the 6146B and 7543,
though I
don't have many extras for some of the numbers.

I also have a few sweeps, along with the above.

I will trade for the following tubes that I need:

8236 (need a pair for my Clegg Apollo)
Eimac Y621B (need pair for my GRC-193)
2G21 (for my PRC-6s)
6A4
6611

All plus shipping.

Joseph Pinner +
818 Hill Street
Kingston, TN 37763
KC5IJD / NNN0PHR

Joseph W Pinner +
Kingston, TN
KC5IJD / NNN0PHR
EMail: kc5ijdsprintmail.com

Date: Tue, 18 Jul 2000 09:00:25 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200007181300.JAA14336@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB Cannon audio connecter, mesazoic era

This thing looks like a shrunken version of a 30s electric iron
connector. It's a female thing (yes, 2x-entendre') About 1" across
& .5" high with rounded narrow ends. Three ~1/8" pins in a triangular pattern.

It goes on a RCA 50-A mike. The mike that was the park announcer's
at Atlanta's 36 yrs-deceased Ponce de Leon Crackers park.

I now have one operating trumpet (not folded) and one p-p 6L6 AB2 RCA amp &
preamp from same place.

Gonna use @ 8-00 AWA meeting. Having fella who was ball boy in '49 & '50 announce a Macon Rangers vs Atlanta Crackers inning.

Marty

Omnes Gallia divisa in tres partes est.

--from inscription over admin. bldg. entrance
at Ohm's Law school.

VA approved

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: WTB Cannon audio connecter, mesazoic era
Date: Tue, 18 Jul 2000 09:16:36 -0400
Message-ID: <LOBBJH0LOOHLIPLONIAFMEKPDAAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like a Amphenol, or Cannon P-3F

Ed
VA3ES

> -----Original Message-----
> From: Marty's Refl. Drop
> Sent: Tuesday, July 18, 2000 9:00 AM
>
> This thing looks like a shrunken version of a 30s electric iron
> connector. It's a female thing (yes, 2x-entendre') About 1" across
> & .5" high with rounded narrow ends. Three ~1/8" pins in a
> triangular pattern.
>
>

From: W7QH0@aol.com
Message-ID: <c6.8143ade.26a5cb3c@aol.com>
Date: Tue, 18 Jul 2000 11:01:16 EDT
Subject: Re: where'd the modulators go? (ARC5)
To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good question.

Must be a secret junk yard out there somewhere packed with all the MD-7s, BC-456s, mounting racks, control boxes, connectors, etc. one can't find these days.

Dennis D. W7QH0

Message-ID: <397477F9.6568C73B@hypertools.com>
Date: Tue, 18 Jul 2000 08:30:01 -0700
From: David Ross <ross@hypertools.com>
MIME-Version: 1.0
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: where'd the modulators go? (ARC5)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
To: Old Tube Radios <boatanchors@theporch.com>

Dennis & the gang -

W7QH0@aol.com wrote:

>
> Must be a secret junk yard out there somewhere packed with all the MD-7s,
> BC-456s, mounting racks, control boxes, connectors, etc. one can't find these
> days.
>

Yep the Command Set stuff will be buried under all the ARR-15 & ARC-2 racks. In the next yard over (right behind all the radiological hazard signs...) is a really_big pile of R-390A & GRC-19 & GRC-106 meters...

73

Dave Ross N7EPI ross@hypertools.com

From: "Ed Sieb" <sieb@sympatico.ca>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: where'd the modulators go? (ARC5)
Date: Tue, 18 Jul 2000 11:38:26 -0400
Message-ID: <LOBBJH0LOOHLIPLONIAFGELCDAAA.sieb@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Up here, we have fields filled with WS19 mkIII sets, brand new in the crate with all the accessories, CSR5A's and acres of landfill consisting of AR and CR 88/91. I know there's at least one, just south of Montreal, [right Andre G.? ;-)]

Ed
VA3ES

> -----Original Message-----
> From: owner-boatanchors@theporch.com
> [mailto:owner-boatanchors@theporch.com]On Behalf Of David Ross
> Sent: Tuesday, July 18, 2000 11:30 AM
> To: Old Tube Radios
> Cc: Old Tube Radios
> Subject: Re: where'd the modulators go? (ARC5)
>
>
> Dennis & the gang -
>
> W7QHO@aol.com wrote:
> >
> > Must be a secret junk yard out there somewhere packed with
> all the MD-7s,
> > BC-456s, mounting racks, control boxes, connectors, etc. one
> can't find these
> > days.
> >
>
> Yep the Command Set stuff will be buried under all the ARR-15 & ARC-2
> racks. In the next yard over (right behind all the radiological hazard
> signs...) is a really_big pile of R-390A & GRC-19 & GRC-106 meters...
>
> 73
> Dave Ross N7EPI ross@hypertools.com
>
>

Message-ID: <20000718154741.9956.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BA Oddities FS
Date: Tue, 18 Jul 2000 11:43:13 -0400
MIME-Version: 1.0
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> FOR SALE

>=20

Military OBL-4 Oscillograph. This is a 3" 'scope of about WWII-vintage.

The military tag sez "Model OBL-4 Cathode Ray Oscillograph =
Equipment,

Navy Department, Bureau of Ships, by Radio Manufacturing Engineers
Inc.,=20

Contractor Electronic Development Laboratory, Contract NXsr-39214."=20

The front panel is marked Electronic Development Laboratory Model =
43.

Call it anything you want, this is just an early vintage bench-type
oscilloscope with all the usual controls and binding posts for
connec-

tions. It looks like it has a bandwidth of 40Kcps. It is in a
compact,

gray wrinkle cabinet with a leather handle on top. The tube lineup =
is

all octals. The CRT is a 3BP1. Dirty but should clean up to very =
good

condition. Untested and assumed to need some restoration. As-is. \$10
RCA Ultra-High Frequency Receiver MI-7603-A. This is a
"super-heterodyne"

as the paper tag inside proudly proclaims, covering 30-41mc. Given
that 30-41mc was not considered UHF after the war, I guess this is
a pre-war radio. It was apparently designed for mobile use because =
it

is accompanied by "Dynamotor Power Unit MI-7604" which is marked
"6.30V IN 250V OUT 28W."Both radio and dynamotor are in small, gray
wrinkle metal boxes with big red RCA meatball logos on top. There =
are

no controls or meters of any kind so it probably used a separate=20
control head that I don't have. The tube lineup is 5-6J7, 1-6J5,
1-6F6,

1-6Q7, 1-6H6, and 1-6R7. Was this part of a police radio set?

Aircraft

seems unlikely because the dynamotor is 6V. Interesting and=20
unique. \$30

HP 608E VHF Signal Generator s/n 826-01276. This is a rackmount 50mhz =
to

450mhz general purpose signal generator with mixed solid state and
tube=20

electronics. I have had this in my shop for at least 4 years and =
have

never used it. But it is in very good cosmetic shape. I plugged it =
in
and=20

it seems to be working. But I just checked for output and smoke. I
didn't=20

check all bands or the modulation or do any thorough testing on this
so=20

please consider it as-is. With manual copy. \$70
Federal Telephone and Radio Corporation Field Intensity Meter Model
101C.=20

This is a portable field strength meter with a handle on top and
tripod

mount on the bottom. It is supposed to have snap-on metal front =
cover

and

a loop antenna but both of those are missing. It is in a gray =
wrinkle

box about 12" x 20". There is no sign of a military tag so I think
this

is a civilian unit. The left hand compartment houses a vibrator =
power

supply with a connection for 6V input on the front panel. Most of =
the

front panel is covered with numerous controls and connectors.

Controls

are LOOP, CAL OSC, BAND (200kc-7MC in 10 steps), SENSITIVITY-COARSE, =

SENSITIVITY-FINE, LOOP ATTENUATOR, RECORDER (LOG and LIN). Tuning is
by

a typical pre-war National vernier dial with the big nickel-plated
skirt

marked 0-100 around 180 degrees. =BC" phone jacks are provided for
PHONES

and RECORDER. A hole on top was supposed to accommodate the now
missing

loop. Dirty but should clean up to excellent looking. All original.

Untested. As-is. \$30

> Military Navy Receiver Type RDR. Made by RCA with big RCA meatball
> logo

> on the front panel. This looks like a 10-channel VHF receiver. In

> cabinet

> with handles on sides and lid that screws-on. Cabinet has a lot of =

> scuffs and scrapes. But the front panel is very good or better. I

> think

> this is unused. With original power cable. Must weigh 60 pounds.
> I'm guessing 1950's vintage. Very classy boatanchor. \$60
> Communications Equipment Company RHZ receiver. This is a
> fixed-frequency HF=20
> receiver designed for airport frequency monitoring.
> Crystal-controlled.=20
> Tuned to either 3105 kc or 3117 kc. Retunable to any nearby
> frequency=20
> with procedure given in manual. Will go to 80 meters with no coil
> mods and
> 160 meters with minor coil mods. This is a 19" rackmount radio, 5"
> high=20
> with simple black wrinkle front panel. Front panel is excellent.
> The cover
> has some scratches--some deep. Tube lineup is 80, 6V6, 4-6K7, 6K8,
> 6SJ7,=20
> 6H6 and 6SL7GT. With original manual: \$40. Heavy.
> Swan 14-X DC power supply module. Plugs into Swan 117X power supply
> and=20
> permits operation from 12VDC. One small rust spot around positive=20
> connection. Otherwise looks good. Untested. Unmodified. \$20
> Ampex 350 tape deck. Classic recording and radio station deck that
> used 1/4"=20
> magnetic tape and accomodates 15" or 7" reels. The 350 features
> excellent=20
> audio specs even 25 years later. The 350 model was available with
> many=20
> different head and electronics configurations including provision
> for
> using 1/2" tape. But this one is as basic as you can get. It's set
> up for glorious full-track monaural at either 7-1/2IPS or =
3-3/4IPS.
> The=20
> record/play amp is a single solid-state Ampex unit model
> 4020251-05. Both
> deck and rec/play amp are 19" rackmount and take up 21" of rack
> space
> together. The deck and amp look very good or better and work very
> well.=20
> Comes with a homebrew remote control on a 25' cable. This thing is =

> capable of marvelously musical recordings. But I just used it for=20
> off-air fooling around. With manual copy. \$120. This is heavy and
> will
> cost \$50-\$60 to ship.
> Lysco Model 129 Mobile transmitter for 10 and 11 meters. 1950-vintage =

> mobile AM TX that is tiny. Used 3 6AG7 tubes. Requires 350VDC and

> 6.3V.=20
> Some chips on paint but excellent overall condition. Pilot lamp =
has
> been
> changed to unoriginal lamp using original hole--easily returned to =

> original if you don't like it (though it looks fine and is tough =
to
>=20
> spot). With manual copy. Neato. \$35
>=20
> Thanks.
> --Don Merz, N3RHT

End of BOATANCHORS Digest 2950
